



Annual Reports

OF THE

Medical Officer of Health

AND THE

Inspector of Nuisances

TO THE


Cannock Rural District Council

FOR THE YEAR 1904.



CANNOCK

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Cannock Rural District Council.

Cheslyn Hay,

Walsall,

February 7th, 1905.

To the Chairman and Councillors.

GENTLEMEN,

I have the honour of presenting to you my Report for the year 1904.

Population Estimates.

Brewood Sub-Registration District, estimated to April, 1904 :—

Bushbury	3650	Stretton	250
Brewood	2500	Teddesley	125
Penkridge	2370	Coppenhall... ..	85
Lapley	740	Featherstone	50
Acton and Bednall	560	Kinvaston	20
Dunston	270	Total	10,620.

Population.

An estimated increase of 85. Agricultural labourers, a few colliers, railway workmen, and artisans.

Cannock (Rural) Sub-Registration District :—

Cheslyn Hay	2800	Hatherton	530
Essington	1900	Shareshill	365
Great Wyrley	1785	Saredon	320
Huntington	550	Hilton	80
Total	8,330.		

An estimated increase of 250. Mostly a mining population; a few agriculturalists, edge tool workers, brick and tile workers.

Entire District Population ... 18,950.

Increase for the year... .. 335.

Births in the year, 531—Males, 282. Females, 249.

Births.

General Birth Rate ... 28·02 per thousand.

Former Birth Rates :—

1903	33 per thousand.	1899	30 per thousand.
1902	33 „	1898	31 „
1901	30 „	1897	33 „
1900	31 „		

The 1904 rate is the lowest in my experience. This, I believe to be a common experience in the country, a decline in the Birth Rate, which may be partially accounted for by depression in trade, and the tendency in many cases for the modern young man to ponder before he incurs the extravagant business of matrimony.

Birth Rate for Staffordshire in 1903 ... 32·5.
 Cannock Birth Rate, in 1904 ... 33·8 per thousand.
 Brewood Birth Rate in 1904 ... 23·4 per thousand.

Here is seen the marked difference in the mining and agricultural areas.

Deaths. Deaths in the year, 244—Males, 128. Females, 116.
 General Death Rate ... 12·87 per thousand.

Former Death Rates:—

In 1903...10·85 per thousand. In 1899...13 per thousand.
 In 1902...13·07 .. In 1898...14 ..
 In 1901...13·6 .. In 1897...14 ..
 In 1900...14 ..

Death Rate for Staffordshire in 1903...15·2 per thousand.

The rates for 1903 were exceptionally satisfactory, and the Cannock Rural District was not alone in this respect. We may also regard the rate for 1904 as being better than the average of past years. Rate for Country Districts of England in 1903, 14·8. Whilst we are termed a Rural District, many of our parishes are practically Urban, and in Urban areas the Death Rate is usually higher.

Cannock Death Rate in 1904...12·1 per thousand.
 Brewood 13·4 ..

Quarterly
Mortality.

Mortality as to time of year:—

	Cannock—		Brewood—	
	1904	1903	1904	1903
First Quarter ...	35	23	43	26
Second Quarter ...	19	31	36	24
Third Quarter ...	29	18	22	16
Fourth Quarter ...	18	29	42	35
	101	101	143	101

Age
Mortality.

Mortality at the various ages:—

	Cannock		Brewood		Totals
Under 1 year ...	28	...	36	...	64
1 year to 5 ...	9	...	15	...	24
5 years to 15 ...	6	...	3	...	9
15 years to 25...	6	...	5	...	11
25 years to 65...	24	...	34	...	58
Over 65 years...	28	...	50	...	78
	101		143		244

Percentage of Total Deaths:—

Cannock Mortality under 1 year...27·77 per cent.
 Brewood 25 ..
 In 1903:—Cannock, 30 per cent.; Brewood, 25 per cent.
 Cannock Mortality (all deaths to 5 years) ... 36 per cent.
 Brewood 35 ..
 In 1903:—Cannock, 47 per cent.; Brewood, 30 per cent.

Infant Death Rate, 3·37 per thousand.

Infant
Death Rates.

In 1903, 2·95 per thousand.	In 1899, 3·90 per thousand.
In 1902, 3·80 ..	In 1898, 3·01 ..
In 1901, 3·58 ..	In 1897, 3·91 ..
In 1900, 3·89 ..	In 1896, 4·86 ..

Infant Death Rate per thousand Births, 120.

In 1903, 89.	In 1902, 115.	In 1901, 116.	In 1900, 119.
In 1899, 119.	In 1898, 91.		

Causes of Deaths in Infants :—

Causes of
Death in
Infants.

	1904	1903	1902	1901	1900	1899
Zymotic Causes...	10	6	5	6	7	7
Chest Causes.....	10	9	15	5	6	6
Nervous System	8	9	9	15	15	17
Debility Diseases	27	22	28	25	26	26
Other Causes ...	9	9	12	13	11	7
	64	55	69	64	65	63

Here note the large proportionate number of Infants dying from Premature Birth and the wasting diseases of early infancy, largely due to ineffective nutrition, ill-assorted foods, insufficient warmth and inherent weakness of constitution.

Analysis of Causes of Deaths in Infants :—

Cannock Brewood Totals

Zymotic causes, 10	Whooping Cough...	0	4	4
	Diarrhoea	1	4	5
	Membranous Croup	1	0	1
Chest causes, 10	Bronchitis	2	5	7
	Pneumonia	3	0	3
Nervous System, 8	Convulsions	3	1	4
	Meningitis.....	1	0	1
	Dentition	3	0	3
Debility causes, 27	Inanition	0	5	5
	Premature Birth ...	3	10	13
	Tabes Mesenterica	0	2	2
	Asthenia	2	1	3
	Debility from Birth	1	0	1
All other causes, 9	Atelectasis.....	2	0	2
	Marasmus.....	1	0	1
	Gastric Catarrh ...	0	1	1
	Gastro Enteritis ...	0	1	1
	Heart Disease	0	1	1
	Natural Causes.....	0	1	1
	Caries.....	1	0	1
,	Tuberculosis.....	1	0	1
	Enteritis	2	0	2
	Spinal Bifida	1—28	0—36	1—64

1 to 5 Years Mortality. Analysis of Causes of Deaths in Children—1 year to 5 :—

		Cannock	Brewwood	Totals
Zymotic causes, 7	{ Whooping Cough...	3	1	4
	{ Diphtheria	1	1	2
	{ Measles	0	1	1
Chest causes, 9	{ Bronchitis	2	2	4
	{ Pneumonia	1	4	5
Nervous System, 5	{ Dentition	0	4	4
	{ Brain Disease	0	1	1
Other causes, 3	{ Marasmus	2	0	2
	{ Enteritis	0	1	1
		—	—	—
		9	15	24

Over 65 Years. Death Rate over 65 years, 4·12 per thousand.
 In 1903...3·22 per thousand. In 1901...3·64 per thousand.
 In 1902...3·80 „ In 1900...3·95 „

Parish Death Rates.	Parish Death Rates :—	
	1904	Average in former 3 years.
Saredon ...	6·2 per thousand.	10 per thousand.
Huntington ...	7·2 „	13 „
Lapley ...	9·4 „	12 „
Bushbury ...	9·8 „	9 „
Cheslyn Hay	10·35 „	15 „
Hatherton ...	11·3 „	11 „
Acton & Bednall	12·4 „	11 „
Great Wyrley	12·8 „	13·5 „
Shareshili ...	13·6 „	19 „
Dunston ...	14·8 „	— „
Essington ...	15·7 „	13·5 „
Brewwood ...	16·4 „	12·5 „
Penkridge ...	16·8 „	13·5 „
Stretton ...	16 „	11 „

Infectious Diseases Mortality.	Mortality from Infectious Diseases :—		
	Cannock	Brewwood	Totals
Diphtheria	1	1	2
Diarrhœa	1	5	6
Membranous Croup	2	0	2
Whooping Cough	3	5	8
Measles	0	2	2

Diarrhœa and Whooping Cough are the main factors with 14 deaths, as compared to 4 in 1903.

Total Zymotic Deaths—1903, 16 ; 1902, 19 ; 1901, 24.

Zymotic Death Rate, 1·1 per thousand.

In 1903...0·86 per thousand. In 1900...1·4 per thousand.
 In 1902...1·04 „ In 1899...1·4 „
 In 1901...1·3 „ In 1898...1·3 „
 Staffordshire Zymotic Death Rate in 1903, 1·43 per 1000.

Distribution of Deaths:—

Brewood—Diphtheria 1, Whooping Cough 4, Measles 1 ...	6
Bushbury—Diarrhœa 4, Whooping Cough 1 ...	5
Essington—Diarrhœa 1, Membranous Croup 2 ...	3
Penkridge—Diarrhœa 1 ...	1
Cheslyn Hay—Whooping Cough 3 ...	3
Dnnston—Measles 1 ...	1
Hilton—Diphtheria 1 ...	1

—
20

General Causes of Death:—

	Cannock	Brewood	Totals	General Mortality.
Zymotic Disease ...	7	13	20	
Infantile Diseases ...	9	18	27	
Bronchitis ...	8	12	20	
Pneumonia ...	8	10	18	
Phthisis ...	1	8	9	
Bronchial Asthma ...	0	3	3	
Pulmonary Congestion ...	0	1	1	
Liver Diseases ...	0	2	2	
Kidney Diseases ...	2	2	4	
Heart Disease ...	11	12	23	
Brain Disease ...	3	8	11	
Cancer ...	5	10	15	
Convulsions ...	4	1	5	
Accident ...	10	4	14	
Old Age ...	13	14	27	
All other causes ...	20	25	45	
	101	143	244	

Respiratory Death Rate, 2·69 per thousand.

In 1903...2·52 per thousand.	In 1900...3·23 per thousand.	Respiratory Death Rate.
In 1902...2·31	In 1899...3·03	
In 1901...1·84	In 1898...4·17	

New Cases of Sickness:—

	1904	1903	1902	1901	Sickness.
Scarlet Fever ...	37	137	164	312	
Diphtheria ...	11	6	6	18	
Enteric Fever ...	3	3	12	3	
Erysipelas ...	17	24	14	19	
Membranous Croup ...	2	...	...	...
Puerperal Fever ...	1	...	...	...
	71	170	196	352	

From 1895 to the end of 1904 (10 years) the average number per annum of Scarlet Fever Cases amounted to 126: in 1904 the total is 37. These figures appear to me

to prove the efficacy of the arrangements made for isolation, and upon this point I tender my thanks to the Council for their public spirit in establishing an Isolation Hospital, upon the working of which a separate report will be embodied.

School Closures.

Closure of Schools advised :—

COVEN.—February 26th to April 11th, Whooping Cough.
 BISHOPSWOOD.—March 7th to 21st, Whooping Cough.
 STRETTON.—May 12th to 27th, Measles.
 BREWOOD.—Sept. 28th to Oct. 24th, Measles & Diphtheria.
 SHARESHILL.—October 3rd to 24th, Mumps.
 HUNTINGTON.—Nov. 21 to Dec. 31, Scarlet Fever & Mumps.
 BEDNALL.—Nov. 21st to Dec. 19th, Mumps and Measles.
 STRETTON.—Nov. 24th to Dec. 19th, Measles.
 DUNSTON.—Nov. 24th to Dec. 19th, Measles.

Uncertified Deaths.

Causes of Uncertified Deaths :—

Heart Disease—Lapley 1, Shareshill 1, Brewwood 1.
 Natural Causes—Wyrley 1.
 Premature Birth—Penkridge 1.
 Measles—Dunston 1. Total, 6.

Percentage of Total Deaths. 2.4.

1903, 5.4. 1902, 2.1. 1901, 1.6. 1900, 1.2. 1899, 2.5.

Vaccination.

Vaccination Report :—

I am in a position to state that progress has been made in this department of what is really sanitary work. Messrs. Dakin and Spooner, the Vaccination Officers, have done their work well, and materially assisted the Public Vaccinators in their work. The number of successful vaccinations in the district has increased, and every facility for public-re-vaccination being given by the Guardians many availed themselves of the opportunity.

Typhoid Fever.

Typhoid Fever in the District :—

In 1904—Cases, 3. Deaths, 0. Houses Infected, 3.

In 1903—Cases, 3. Deaths, 1. Houses Infected, 3.

Brewood, 1. Dunston, 1. Stretton, 1.

In the case at Four Ashes (Brewood) the drains were untrapped and defective, and the well water loaded with sewage matter. In the case at Dunston no cause was to be found in water or drainage. There had been a history of the recent eating of polonies, which in others partaking of such had induced symptoms of gastro-intestinal irritation. In the case at Stretton, the water was polluted.

Puerperal Fever :—

Puerperal
Fever.

In a case at Essington, I instructed a midwife to undergo a process of disinfection and to cease attendance upon confinement cases for two months.

Diphtheria in the District :—

Diphtheria.

In 1904—Cases, 11. Deaths, 2. Houses Infected, 6.

In 1903—Cases, 6. Deaths, 1. Houses Infected, 3,
Brewood, 5. Essington, 6.

In the five cases from Brewood the water was condemned in both dwellings and the drainage defective. The case in the Bargate proved fatal. Four cases occurred in a cottage on the Coven road; one case was sent to Wolverhampton Hospital; another remained at home, after an injection of anti-toxin; and two cases were removed to the Isolation Hospital.

In a cottage at Hilton (Essington) instructions were given for the cleaning of the well. In other cases in Essington a foul ditch containing stagnant sewage, and a contaminated well, were the exciting causes.

Scarlet Fever in the District :—

Scarlet Fever.

In 1904—Cases, 37. Deaths, 0. Houses Infected, 24.

In 1903—Cases, 137. Deaths, 5. Houses Infected, 80.

Distribution :—

Huntington, 14. Bushbury, 12. Brewood, 3. Bednall, 2.
Stretton, 2. Hatherton, 2. Essington, 1. Penkridge, 1.

Total, 37. Removed to Isolation Hospital, 26.

I am pleased to report that the District has kept clear of Smallpox, in spite of serious scares upon our borders, notably in the Cannock Urban District. In my Report to the Council in September, I stated "I have arranged with the Urban District Medical Officer for a due provision in the Joint Hospital for any case which might occur in the Rural area. Whilst fully admitting that the present Smallpox Hospital has been of excellent service to the community, in permitting of Isolation, and in vastly reducing the number of cases in the district, I am bound to condemn the existing institution under the circumstances now to be found. In the immediate vicinity of the Hospital there is a considerable aggregation of houses, with a prospect, in view of colliery developments, of much more building going up. This fact, together with its position by four cross roads, and its contiguity to the cemetery, condemns the Hospital for Isolation purposes, and I would advise the Joint Committee to make arrangements for the erection of a Hospital for Smallpox only, in

Smallpox.

a more isolated area, with provision on the spot for disinfection arrangements. I would recommend the Council to join in with the Urban Council for a Smallpox Hospital, and for a joint system of ambulance, including local provision for disinfection at the Hospital. There may arise at any moment serious legal difficulties if a new Hospital is not soon planned, for property owners might involve the Joint Committee in heavy expenditure from the nuisance created by the present Hospital—a nuisance which year by year has gone on rapidly increasing, and the responsibility for such might be put upon the shoulders of the Sanitary Authorities.

The difficulties at the existing Hospital for the proper accommodation of patients and nurses have been great, and the public will welcome the advent of an Institution where better accommodation can be provided, better nursing obtained, and more effective isolation enforced."

Action by the
Council.

—
Infectious
Disease.

Summary for 1904 of action of the Council:—

The District Council issued posters, upon my advice, requesting the inhabitants over ten years of age to take precautions against Smallpox by re-vaccination. The public notices had a good effect in causing several primary vaccinations in many young persons, who for some reason or another had escaped vaccination in infancy. The epidemic of Smallpox in the Cannock Urban District proved that the existing accommodation for the isolation of Smallpox is unsatisfactory and insufficient. The Local Government Board have requested the Urban and Rural Councils to consider the provision of improved accommodation. The Joint Smallpox Hospital Committee have appointed a Sub-Committee to deal with this question, either by building upon a suitable site, or the provision of larger premises suitably isolated. This Sub-Committee, however, has not been able to make any recommendation.

Essington
Water.

The deputation appointed to approach the Wolverhampton Corporation with a view to making arrangements for the supply of water to the principal portion of the Parish of Essington by the Corporation, has successfully arranged for water to be supplied on the Council guaranteeing ten per cent. on the capital outlay.

Great Wyrley
and Cheslyn
Hay Water.

The Council has taken steps to enforce those householders who have not already done so to connect up to the mains, and take the water in both parishes, and practically all houses in Cheslyn Hay and most of those in Great Wyrley are now connected to the Council's mains. A plan of the whole of the Cheslyn Hay water mains has been

prepared and deposited with the Clerk of the Peace. Extensions of the water mains have been made to Coppice Lane, Lewis's Tileries, and Messrs. Hawkins's Colliery cottages.

During the year, I reported to the Council the necessity of a public water supply for Brewood, many of the wells being found to be contaminated with sewage matter. The question was referred by the Council to the Brewood Parish Council, who have appointed a Committee to make a house to house inspection in the parish, with the view of ascertaining whether the present polluted condition of the wells is due to unsatisfactory house drainage. The District Council have instructed the Inspector of Nuisances to accompany such Committee. The Council have served notices upon several owners to provide a proper supply of wholesome water to their properties in Brewood.

Brewood
Water.

The Council are in negotiation with the Right Hon. H. Staveley Hill for land in Bushbury for the Bushbury (Oxley) Sewerage Works. The Engineers to the Council have submitted their plans to him, and explained exactly the position and extent of the land required.

Bushbury
Sewerage
(Oxley).

The Council's Engineer, Mr. H. M. Whitehead, has prepared a scheme for sewerage and sewage disposal of Ford Houses, Bushbury. This scheme has been adopted by the Council. Arrangements have been made for the necessary land, and a tender accepted for the carrying out of the work.

Fordhouses
Sewerage.

The sewage from this district is proposed to be dealt with by means of a Septic Tank and Fiddian Patent Distributor.

A Joint Committee of the District Council and the Great Wyrley Parish Council has been appointed for the purpose of promulgating a scheme for the sewerage and sewage disposal of Great Wyrley. A scheme has been submitted by Messrs. Wilcox and Raikes, and provisionally approved by the Council. It is proposed that this scheme be carried out under the Council's own Engineer (Mr. H. M. Whitehead), and that Messrs. Wilcox and Raikes be retained as Consulting Engineers only. This scheme is, however, to be again submitted to the Committee for final approval.

Great Wyrley
Sewerage.

The original scheme submitted by Messrs. Wilcox and Raikes for the construction of works of sewerage and sewage disposal for Cheslyn Hay has been amended by the Council. The amended plans are being completed by the

Cheslyn Hay
Sewerage.

Engineers preparatory to being submitted to the Local Government Board. There is no doubt in the mind of any reasonable person that a scheme of sewerage and sewage disposal for Cheslyn Hay is a necessity in the interest of public health, but it is felt by all persons cognisant of Cheslyn Hay that great economy is needed compatible with efficiency. The rateable value of the Parish is small, and the high rates severely press upon many of the thrifty working men who live in their own houses. The demands upon the Parish for water, education, and other public purposes have become so heavy that unless absolute economy is considered over the question of sewerage the position of the Parish financially will mean stoppage in building operations, and a state bordering on bankruptcy.

**Brewood
Sewerage.**

The Brewood Parish Council are attempting to formulate a scheme for the drainage of Brewood. The Parish Council have taken this action in the hope of their scheme being one that could be carried out at less cost than the scheme prepared by Messrs. Wilcox and Raikes. Mr. Whitehead has been instructed to afford all assistance to the Parish Council in their efforts. The Council have not taken any further action to carry out Messrs. Wilcox and Raikes's scheme, approved by them.

**Essington
Sewerage.**

The Council have provisionally adopted a scheme prepared by Messrs. Wilcox and Raikes for the sewerage and sewage disposal for that portion of the Parish of Essington comprising the vicinity of the Minerva Inn and Sneyd Lane. The Council's Engineer (Mr. Whitehead) has been instructed to discuss the above scheme with Messrs. Wilcox and Raikes, with a view, if possible, of reducing the cost of the scheme. Negotiations are proceeding with Lord Barnard for the purchase of the necessary land for outfall. Mr. Whitehead has been instructed to examine and report upon the question of the saving which would be effected by the above scheme being defrayed out of current rates rather than out of a loan.

As a temporary measure, and until the above scheme is carried out, Mr. Whitehead has been directed to construct a dumb well to be emptied weekly.

The Council have provided a portable sewage pump for use in connection with the above and similar dumb wells.

Urban Powers

Essington.

The Local Government Board have conferred upon the Council, in so far as concerns the Parish of Essington, the Urban Powers contained in the Public Health Act, 1875, Section 157, Public Health Act Amendment Act, 1890, Sections 23, 25, and 33.

The Council have under consideration the making of Byelaws for New Streets and Buildings for Essington, and a Committee has been appointed to draft and settle Byelaws for submission to the Local Government Board.

Byelaws.
—
Essington.

The Byelaws prepared by the Council for new streets and Buildings for Cheslyn Hay and Great Wyrley have received the final approval of the Local Government Board, and are now in operation.

Byelaws.
—
Cheslyn Hay
and
Great Wyrley

The Council have renewed the Contract for Public Scavenging in Bushbury.

Scavenging.
—

The Contractor for Cheslyn Hay Scavenging having become bankrupt, and numerous complaints having been made as to his negligence in carrying out his duties, the Council determined his contract. Temporary measures were adopted for public scavenging. The Council have entered into a two years' contract for public scavenging in Cheslyn Hay, and I am able to report that the new contractor is carrying out his duties in a satisfactory manner.

Bushbury.
Scavenging.
—
Cheslyn Hay.

In February, the Inspector submitted for my inspection the udder and the lungs of a cow belonging to a butcher in Essington. Both the organs were full of tubercular deposits, and condemned as unfit for human food.

Unsound
Meat.

FACTORIES, WORKSHOPS, WORKPLACES, AND HOME WORK.

Factory and
Workshop
Act, 1901.

I.—INSPECTIONS.

Factories—Inspections, 8. Written Notices, 1.

Workshops—Inspections, 53. Written Notices, 4.

Home Workers' Premises—Inspections, 2.

Total number of Inspections, 63. Written Notices, 5.

II.—DEFECTS FOUND.

Want of Cleanliness—Found, 5. Remedied, 5.

III.—OTHER MATTERS.

Action taken in matters referred by H.M. Inspectors as remediable under Public Health Acts, but not under the Factory Act—Notified by H.M. Inspector, 1. Report of action taken sent to H.M. Inspector, 1.

HOME WORK.

Lists of Out Workers (s. 107)—Number of Lists received, 1. Number of Out Workers, 1.

Addresses of Out Workers received from other authorities, 1.

Workshops on the Register (s. 131) at end of 1904—Workshops, 27. Retail Bakerhouses, 18. Total, 45.

I append the usual tables—

- (1) Vital Statistics of Whole District.
- (2) Vital Statistics of Various Localities.
- (3) Infectious Diseases.
- (4) Causes of and ages at death.

I beg to thank the Council for their kind acceptance of my suggestions. I have throughout the year received much help from the Clerk, and am pleased to acknowledge it; and I wish to express my thanks to the Council's Engineer (Mr. Whitehead) and the Sanitary Inspector (Mr. Pickering) for their active co-operation during the year in their department of sanitary work.

I remain,

Mr. Chairman and Gentlemen,

Yours respectfully.

W. Hosegood, M.B.C.M.,

Medical Officer of Health.

REPORT OF THE MEDICAL SUPERINTENDENT OF THE ISOLATION HOSPITAL.

CANNOCK RURAL DISTRICT COUNCIL.

To the Chairman and Councillors.

GENTLEMEN,

I beg to submit my first report upon the working of the Isolation Hospital for the year 1904.

The hospital is situate in the parish of Cheslyn Hay, is well isolated from the township, but easily approached by a good road made out of an old disused lane. The Surveyor (Mr. Whitehead) deserves great credit for completing the erection of the hospital and its approaches, and in the fitting up and furnishing; in every detail he displayed great skill and acumen. The structure is of galvanised iron and wood; and every arrangement was made for the supply of gas and water, for the hot water heating apparatus, and for the local treatment of the sewage from the hospital. A steam disinfecter has also been provided, and every suitable provision made for the comfort of the patients and the hospital officials.

The central administrative block consists of two sitting rooms and two bedrooms for nurses; a very convenient dispensary; caretaker's sitting and bedroom; a pantry; a ward maid's room; a large kitchen; a scullery; bath rooms and w.c's. There are two side fever blocks—one for scarlet fever, and one for typhoid fever and diphtheria. In each block are two wards, each ward having four beds, so that we have ample accommodation for 16 patients, and can, if necessary, provide for further emergencies. There are good bath rooms, and between each ward is the nurses' duty room, from which everything in the ward can be thoroughly seen. The wards are lofty, well ventilated, and well lighted. At the rear of the hospital are the wash house, the steam disinfecter, the coach house for the ambulance, and the mortuary.

The resident staff consists of the nurse matron and the caretakers—a married couple.

The hospital was opened on April 7th, 1904, by T. A. Hawkins, Esq., the chairman of the Council; and the first case was introduced on July 3rd.

Dietary Tables for Patients:—

No. 1, Meat Diet. — Bread, 10oz. : butter, $1\frac{1}{2}$ oz. : tea, 1 pint : milk, 1 pint : sugar, 2oz. : meat, 4oz. : vegetables, 8oz. : pudding, 6oz.

No. 2, Middle Diet. — Bread, 8oz. : butter, $1\frac{1}{2}$ oz. : tea, 1 pint : milk, 2 pints : sugar, 2oz. : fish, 4oz. : pudding, 4oz.

No. 3, Milk Diet — Milk, 3 to 4 pints : beef tea or broth, 1 pint.

No. 4, Children's Diet (up to 8 years). — Bread, 8oz. : milk, $1\frac{1}{2}$ pints : meat (minced) $2\frac{1}{2}$ oz. : vegetables, 4oz. : pudding, 4oz. : butter, $1\frac{1}{2}$ oz. : sugar, 2oz.

When the hospital is empty of patients, the officials are upon board wages, otherwise on rations.

Patients admitted and discharged in 1904 :

Name and Age.	Address.	Disease.	Admitted.	Days in Hospital.
John Wilson, 16 months.....	Huntington..	Scarlet Fever...	July 3	37
Winifred Morgan, 3 years.....	..	..	July 11	72
G. W. Shepherd, 7 years .. ..	..	..	Aug. 2	38
Walter Podmore, 9 years.....	..	..	Aug. 9	43
Lily Podmore, 5 years.....	..	..	Aug. 9	43
Joseph Fox, 15 years	Bushbury	..	Aug. 16	41
Horace Cadwallader, 6 years..	Penkridge	..	Sept. 6	30
George Daw, $3\frac{1}{2}$ years.....	Brewood.....	Diphtheria	Sept. 28	23
Florence Daw, 11 years.....	..	..	..	23
John Dawson, 10 years... ..	Huntington...	Scarlet Fever..	Oct. 21	52
Annie Getley, 10 years... ..	..	..	..	42
Charles Richards, 10 years....	..	..	..	42
Florence Bradbury, 17 years..	Bushbury	..	Oct. 26	49
Ella Bradbury, 11 years.....	..	..	..	40
Edward Bradbury, 6 years....	..	..	..	40
James Bradbury, 9 years. ....	..	..	..	40
William Dawson, 13 years....	Huntington	..	Nov. 2	45
Clara Getley, 17 years.....	..	..	Nov. 10	42
Ethel Steed, 4 years.....	..	..	Nov. 16	43
Frances Steed, 7 years.....	..	..	..	43
Tom Harley, 5 years	Bushbury	..	Nov. 17	35
Eveline Nicholls, 6 years.....	Brewood	..	..	35

All these patients made a good recovery.

Other Patients admitted during the year:—

James Dawson, 11 years.....	Huntington...	Scarlet Fever...	Nov. 2
Lily Ryman, 6 years.....	Bushbury	..	Dec. 5
Alice Ryman, 4 years.....	..	..	..
John Priest, 6 years... ..	..	..	..
Hannah Hammer, 5 years.....	Bednall	..	Dec. 24
Connie Stockley, 6 years.....	..	..	..

During the year, on two occasions, acting in co-operation with the Clerk to the Council, I engaged an extra nurse, (1) for the diphtheria cases, where we found the anti-toxic serum of great use; (2) for the night duty, when the patients in the hospital were of tender years and requiring special supervision.

I can only say in conclusion that I consider this hospital has rendered excellent service to the district, and parents have invariably expressed to me their gratification in the condition of their children when they got home. I must express my greatest thanks to Mr. Whitehead for the study he has bestowed and the success he has achieved in the structure of the hospital, in the sanitary arrangements, and the fire appliances. I have received most valuable help from Mr. Carver in the working of the Institution. I would cordially thank Nurse Rutter for her able and successful work. I have every confidence in her, and the patients have been most kindly treated by her. The caretakers have given me every satisfaction, and done their work well. I have had occasionally to call in extra ward assistance, when having several cases in the hospital. The ambulance arrangements have worked well, and the Sanitary Inspector has devoted much time and attention to the removal of cases.

Yours respectfully,

W. Hosegood, M.B.,

Medical Superintendent.

TABLE I.—Vital Statistics of Whole District during 1904 and Previous Years.

RURAL DISTRICT OF CANNOCK.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		TOTAL DEATHS REGISTERED IN DISTRICT.					Total Deaths in Public Institutions in the District.	Deaths of Non-Residents registered in Public Institutions in the District.		Deaths of Residents registered in Public Institutions beyond the District.	NETT DEATHS AT ALL AGES BELONGING TO THE DISTRICT.	
		No.	Rate.*	Under 1 year of age.		At all Ages.				Number.	Rate.*		Number.	Rate.*
				Number	Rate per 1000 Births Registered	Number.	Rate.*							
1	2	3	1	5	6	7	8	9	10	11	12	13		
1894	16076	550	34.21	56	101	246	15.30	Nil.	Nil.		...	...
1895	16133	518	32.10	70	135	265	16.42	...	...	Forgetting figures not appreciably affected.	...	...
1896	16254	527	32	79	149	290	17.84	...	...		...	...
1897+	15821	555	35	62	111	253	15.99	...	...		...	...
1898	15965	525	32	48	91	243	15.21	...	...		...	...
1899	16138	529	32	63	119	238	14.74	...	...		...	...
1900	16415	543	33	65	119	249	15.16	...	...		...	...
1901	17857	548	30	64	116	244	15.5	...	...		246	15.7
1902	18125	599	33	69	115	237	13.07	...	...		242	13.2
1903	18615	616	33	55	89	202	10.85	...	...		209	11.2
Averages for years 1894-1903	16739	551	32.6	63	114	246	15	...	...	...	...	...
1904	18950	531	28	64	120	244	12.87	...	...	...	249	13.1

+ Church Eaton transferred to Gnosall.

NOTE.—Institution outside the District receiving Sick and Infirm Persons from the District—WOLVERHAMPTON GENERAL HOSPITAL.

The Union Workhouse is not situate within the District.

Area of District in Acres (exclusive of Area covered by water.	}	Total Population at all Ages.....		}	At Census of 1901.
		51,018.			
		Average Number of Persons per House.....			
			17,857		
			3,570		
			5		

Vital Statistics of Separate Localities in 1904 and Previous Years.

NAMES OF LOCALITIES		1. — CANNOCK. (Sub-Registration District).				2. — BREWOOD. (Sub-Registration District).			
YEAR.		Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.	Population esti- mated to middle of each year.	Births Registered.	Deaths at all Ages.	Deaths under 1 year.
		A	B	C	D	A	B	C	D
1894	...	6135	259	94	31	9941	291	152	25
1895	...	6200	239	79	27	9933	279	186	43
1896	...	6305	227	103	34	9949	300	187	45
*1897	...	6415	259	98	31	9406	296	155	31
1898	...	6525	241	91	21	9440	284	152	27
1899	...	6660	252	94	31	9478	277	144	32
1900	...	6900	268	110	36	9515	275	139	29
1901	...	7519	263	115	35	10338	285	129	29
1902	...	7695	293	111	39	10430	306	131	30
1903	...	8080	322	98	30	10535	294	107	25
Averages of Years 1894-1903		} 6843	262	99	31	9866	298	148	31
1904	...	8330	282	103†	28	10620	249	146‡	36

* Church Eaton transferred to Gnosall.

† Including 2 in Wolverhampton Hospital. ‡ 3 in Wolverhampton Hospital.

TABLE III.—Cases of Infectious Disease Notified during the Year 1904.

CANNOCK RURAL DISTRICT.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.					TOTAL CASES NOTIFIED IN EACH LOCALITY.		NUMBER OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.	
	At all Ages.	Under 1 year.	1 year to 5.	5 years to 15.	15 yrs. to 25.	25 yrs. to 65.	CANNOCK (S.R.D.)	BREWOOD (S.R.D.)	2 to Isolation Hospital and 1 to Wolver- hampton Hospital.
Diphtheria ...	11	...	3	6	2	...	6	5	3
Membranous Croup	2	1	...	1	...	...	2	...	...
Erysipelas.....	17	...	1	...	3	13	15	2	...
Scarlet Fever	37	...	6	22	7	2	17	20	13
Enteric Fever	3	...	...	...	1	2	...	3	...
Puerperal "	1	...	...	...	...	1	1	...	...
Totals	71	1	10	20	13	18	41	30	16

Cannock Rural District Isolation Hospital at Cheslyn Hay.

TABLE IV. Causes of, and Ages at, Death, during the Year 1904.

CAUSES OF DEATH.	DEATHS AT THE SUBDIVIDED AGES OF "RESIDENTS" WHEN OCCURRING IN OR BEYOND THE DISTRICT.							Deaths at all Ages of "Residents" belonging to Localities, whether occurring in or beyond the District.	
	All Ages.	Under 1 year.	1 and under 5.	5 and under 15.	15 and under 25.	25 and under 65.	65 and upwards.	CANNOCK (S.R.D.)	BREWCOCK (S.R.D.)
	1	2	3	4	5	6	7	9	10
Measles	2	...	1	1	...	...	...	...	2
Whooping Cough	2	4	4	...	...	...	...	3	2
Diphtheria and Membranous Croup	4	1	2	1	...	...	...	3	1
Diarrhoea	6	5	...	1	...	...	...	1	5
Enteritis	2	2	...	...	...	...	...	2	...
Phthisis (Pulmonary Tuberculosis)	9	...	...	...	3	6	...	1	5
Other Tubercular Diseases	2	...	...	...	...	...	...	2	...
Cancer, Malignant Disease	16	2	...	...	...	10	6	6	10
Bronchitis	20	7	4	...	...	...	9	2	12
Pneumonia	18	3	5	...	2	3	5	2	10
Other Diseases of Respiratory Organs	4	...	...	...	...	1	3	...	4
Alcoholism - Cirrhosis of Liver	2	...	...	...	...	1	1	...	2
Premature Birth	13	13	...	...	...	...	...	3	10
Heart Diseases	24	1	...	...	...	11	12	12	12
Accidents	16	...	...	2	2	2	4	10	6
Suicides	2	...	...	...	...	1	1	...	2
All Other Causes	101	26	8	4	...	20	38	44	57
All Causes	249	64	24	9	12	61	79	103	146

WM. HOSEGOOD, Medical Officer of Health.

February 7th, 1905

Report of Inspector of Nuisances.

T. F. Pickering, Assoc. Royal San. Inst.

(Certified Sanitary and Meat Inspector).

FOR THE YEAR ENDING 1904.

OXLEY PLACE,

BUSHBURY LANE,

FEBRUARY 24TH, 1905.

*To the Chairman and Members of the Cannock Rural
District Council.*

GENTLEMEN,

I have again the honour of submitting to you my report of the work carried out by me as Inspector of Nuisances, etc., to your Council during the year 1904.

Inspections :—

During the year, I have made 1,774 inspections, re-inspections, and calls, and upon reference to the summary at the end of this report the result of my work can readily be seen.

Five hundred and sixteen nuisances have been discovered whilst making above inspections, which have rendered it necessary for me to issue 86 preliminary notices and 18 duly authorised statutory notices. There have been nearly 300 letters written in connection with these notices.

Water Supply :—

Eleven houses have been found to be without a proper water supply, and after communicating with the owners I have succeeded in getting these houses supplied.

Eleven samples of drinking water have been taken for analysis, 8 of which were condemned as being unfit for drinking purposes.

Water Certificates :—

Twenty-two applications have been made for water certificates for 40 newly erected houses. I have visited each of these houses, and upon my report being satisfactory you have granted the certificates.

One prosecution has been taken out against the owner of a house situated in Bushbury for allowing same to be occupied without first obtaining a water certificate from the Council. This case was adjourned for two months to give the defendant the opportunity of obtaining the certificate, during which time he made application and obtained same.

Slaughter Houses :—

Seventy-nine visits have been made to the slaughter houses in the district, and they have been found to be conducted in a satisfactory manner.

Eight applications for slaughter house licenses have been received, 2 for renewals, 2 to erect, and 4 to use certain premises as slaughter houses. Six of these applications were granted, and 2 refused owing to the buildings being dangerous, without paving, and any means of drainage.

One case of seizure of diseased meat has been made during the year, which consisted of the lungs and udder of a cow, diseased with tuberculosis. This was found in a barn in Essington, which was being used as a slaughter house by A. Cresswell, Walsall. I reported the case to the Council, and was instructed to prosecute. The case was heard at Willenhall, and the Magistrates decided to dismiss it.

Owing to this decision, the Council decided to appoint me as Inspector under the Knackers Act, which will give me power to take action against persons for slaughtering cattle upon any premises for other purposes than for human food, unless the premises are duly licensed.

Dairies, Cowsheds, and Milkshops.

One hundred and seventy-six cowsheds, dairies, and milkshops have been inspected, and 45 infringements under the Dairies, Cowsheds, and Milkshops Order found. The chief infringements will be seen in the summary to consist of (1) insufficient light and ventilation, (2) premises without any means of drainage, and (3) walls in a filthy condition. To get these infringements remedied, I have only found it necessary to issue preliminary notices.

Workshops :—

Sixty-one inspections of Factories, Workshops, and Bakehouses have been made, and 6 infringements found, which consisted of walls being found in a dirty condition, and one factory being without proper means of escape in case of fire. I have served notices in each of these cases, and have succeeded in getting the necessary work done.

Infectious Diseases :—

I have investigated 55 cases of Scarlet Fever, Diphtheria, and Typhoid Fever, reported to me by the Medical Officer of Health, and have removed (upon the instructions of the Medical Officer) 28 patients to the Isolation Hospital. I also received notice from the Admiralty of two men who had left vessels from which there had been cases of Smallpox. These I found, and kept same under observation during the incubation period of the disease.

Since the opening of the Isolation Hospital, the Council appointed me to take sole charge of removing patients from their homes to the Hospital, and I desire to call the attention of the Council to the increased

work caused by this appointment, owing to many of the cases having to be removed in specified time to meet the wishes of the parents, and in several instances we have removed cases on Sundays. I have found great difficulty in some cases to persuade parents to allow their children to be removed, and have made as many as three visits to some homes in order to get the instructions of the Medical Officer carried out. After removing the patients, I again visit and do the necessary disinfecting.

Scavenging :

One hundred and thirty-six complaints have been received of ash-pits having not been attended to; 103 of these were in Cheslyn Hay, and 33 in Bushbury. I have visited these premises, and found that the complaints were justifiable. I therefore gave instructions to the contractor for the immediate emptying of the ash-pits.

I am pleased to be able to report that since the appointment of Mr. J. Hemingsley as contractor for scavenging at Cheslyn Hay there has been a decided improvement in the manner in which this work is carried out, and the number of complaints has been reduced considerably.

Petroleum.

In June last, the Council decided to appoint an officer under the Petroleum Act, and this office was conferred upon myself. I have, therefore, made 17 inspections under this appointment, and have found that we have several qualities of oil being stored in the district, some of which I consider doubtful as to the flashing point.

I have received five applications for licenses to store inflammable oils, two for the storage of colzalene, two for petrol and petroleum, and one for petroleum and benzalene. I inspected these premises, and found that two of the stores were improperly constructed and situated, and I therefore advised the Council to withhold the licenses until the necessary work had been done. This was decided, and after the work had been done satisfactorily all the licenses were granted.

Canal Boats :—

Appended is a copy of my Annual Report to the Local Government Board showing work executed under the Canal Boats Acts during the year 1904.

In conclusion, I again respectfully desire to express my thanks to the Chairman and Members of the Council, the Medical Officer of Health, and the Clerk, for the very courteous treatment and assistance given me since my appointment.—I am, Your Obedient Servant,

T. F. PICKERING, Inspector of Nuisances.

Complaints received and dealt with :—

Sanitary defects and other nuisances	...	...	...	41
Requests to have Privies and Ashpits emptied (Bushbury)	...	...	...	33
Requests to have Privies and Ashpits emptied (Cheslyn Hay)	...	...	...	103
Total...	...	...	...	177

Summary of Sanitary Work done during the year 1904 :

No. of Houses inspected	99
Bakehouses inspected	18
Workshops and Factories inspected	43
Slaughter Houses inspected	79
Cowsheds, Dairies, and Milkshops inspected ...	176
Canal Boats inspected	50
Meat and Food inspected	87
Piggeries, Fowls, and other Animals inspected...	192
Stables and Stable Yards inspected	150
Ashpits Reported for Cleansing... ..	150
Samples of Water taken for Analysis	11
Cases of Certified Infections Diseases investigated	55
Cases Removed to Isolation Hospital	26
Houses Disinfected after Infections Disease ...	24
Schools	1
Inspections under Petroleum Act	17
Number of Smoke Observations	2
<i>Re</i> Inspections, Calls, etc.	594—1774

Nature of Nuisances discovered :—

The house or part of the house in a dirty condition ...	12
The house or part of the house in a damp condition ...	8
The house or part of the house in a dilapidated condition	6
The house or part of the house being overcrowded ...	11
Insufficient or improper closet accommodation	2
Closets being improperly situated	3
Privy, midden, or cesspit being a nuisance	16
Sinks being foul, improperly constructed and drained...	27
The drain inlets being untrapped	47
The drains being foul	12
The drains being stopped or choked	6
The drains being defective	36
Premises without proper means of drainage	34
Rain water pipes or guttering being defective	34
Roofs of houses being defective	13
The floors of yards to closets being in an insanitary condition for want of proper paving	11
Floors of yards or closets being foul	19
The outbuildings being dilapidated	13
The ashpits being foul or defective	39
Premises being without proper ash accommodation ...	7
Premises being without proper manure receptacles ...	8
Animal or animals kept so as to be a nuisance	16
Accumulations of offensive matter	24
Urinals being improperly constructed, drained, or offensive	3
Premises without water supply	11
Rain water cisterns being foul	2
Dangerous buildings	6
Dangerous wells	2
Miscellaneous	98—516

Improvements made in compliance with notices served :—

Drains	{ Reconstructed	...	...	...	25
	{ Improved or repaired	...	...	...	18
	{ Traps fixed	...	...	...	66
Sinks provided or properly drained...					23
Privy middens abolished					3
Privies repaired and reconstructed					12
Pan closets provided					3
Ashpits provided and repaired					25
Ashpits emptied					27
Yards and channels repaired and re-laid					43
Water	{ Wells closed	...	...	...	3
	{ Wells cleansed	...	...	...	11
	{ Water provided	...	...	...	15
Overcrowding abated					11
Houses	{ Cleansed or limewashed	...	...	...	12
	{ Generally repaired	...	...	...	14
	{ Lighted and ventilated	...	...	...	3
	{ Sponting provided	...	...	...	34
Manure receptacles provided					16
Animals removed					16
Offensive matter					24
Outdoor premises limewashed and repaired					13
Other amendments or nuisances abated					17
Total improvements					444
Total premises improved					200

COWSHEDS, DAIRIES, & MILKSHOPS ORDERS, 1886.

The following is a summary of the work carried out under this Order :—

Cowsheds, Dairies, and Milkshops inspected	...	176
Registration of Cowkeepers, Dairy-men, and Purveyors of Milk	...	34

Nature of Nuisances discovered :

Cowsheds without proper light and ventilation	...	8
Cowsheds overcrowded	...	1
Walls of Cowsheds in a dirty condition	...	8
Premises without means of drainage	...	7
Premises defectively drained	...	6
Paving in cowsheds defective	...	6
Insufficient water supply	...	1
Untrapped openings in drains	...	5
Total	...	45

Improvements made in compliance with notices served :—

Cowsheds provided with proper light and ventilation	8
Overcrowding of cowsheds abated	1
Walls of cowsheds cleansed and linewashed ...	8
Premises properly drained	6
Drains improved or repaired... ..	6
Floors and channels repaired and re-laid ...	6
Proper and sufficient water supply provided ...	1
Total	36

CANAL BOATS.

The following is a copy of the report submitted to the Local Government Board showing the work executed under the provisions of the Canal Boats Acts, 1887—1884:—

CANNOCK RURAL DISTRICT COUNCIL.

Canal Boats Report for Year ending 1904.

The duties of Canal Boats inspection in this district are carried out by the Inspector of Nuisances.

Fifty boats have been inspected during 1904, and the following infringements discovered :—

Certificates not produced... ..	3
Certificates not identifying owner	5
Marking	5
Overcrowding	2
Painting	3
Provision of water vessel... ..	4
Cabins damp dilapidated... ..	3
Total	25

Legal proceedings have been taken in respect of one boat, the owner having refused to produce the Certificate of Registration. A fine of 10s. and costs was inflicted, which amounted to the sum of 19/9.

All the other infringements have been dealt with by issuing notices, and following same up with letters. Twelve notices have been issued, supplemented by 23 letters.

The condition of the boats generally has been found to be satisfactory, and the occupants clean and courteous in their manner.

T. F. PICKERING, Canal Boats Inspector.

STAFFORDSHIRE COUNTY COUNCIL.

TABLE A.

SUMMARY OF SANITARY WORK done in the Nuisance Inspector's Department during the Year 1904, in the Rural District of Cannock.

				Inspected and Observed in situ.	Formal Notices by Authority.	Notices Altered after Notice.
Dwelling Houses and Schools	{	Foul Conditions	... ..	12	12	12
		Structural Defects	... ..	11	14	17
		Overcrowding	... ..	11	11	11
	{	Dairies and Milkshops	... ..	176	36	36
		Cowsheds	... ..		
	{	Bakehouses	... ..	18	1	1
		Slaughter-houses	... ..	79		
	{	Canal Boats	... ..	50	12	25
		Ashpits and Privies	... ..	150	12	25
	House Drainage	{	Deposits of Refuse & Manure	24	24	16
Water Closets			... ..	1	1	1
{		Defective Traps	... ..	47	47	66
		Other Faults	... ..	54	54	43
{		Water Supply	... ..	26	20	26
		Pigstyes	... ..	16	16	16
Animals improperly kept		... ..			
{		Smoke Nuisances	... ..	2	1	0
		Other Nuisances	... ..	98	50	17
TOTALS				778	311	312

Seizures of Unwholesome Food	...	...	...	1
Seizures of Water taken for Analysis	...	...	...	11
Samples of Water Condemned as unfit for use	...	...	...	8

PRECAUTIONS AGAINST INFECTIOUS DISEASE.

Lots of Infected Bedding Disinfected or Destroyed	...	...	30
Houses Disinfected after Infectious Disease	...	...	24
Schools Disinfected after Infectious Disease	...	...	1

(Signed) T. F. PICKERING,

Feb. 25th, 1905.

Inspector of Nuisances.